

10/553534

JC20 Rec'd PCT/PTO 17 OCT 2009

Docket No.: 09931-00049-US
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Hubert Spreitzer et al.

Application No.: Not Yet Assigned

Confirmation No.: N/A

Filed: Concurrently Herewith

Art Unit: N/A

For: METHOD FOR CONTROLLING THE
MOLECULAR WEIGHT DURING
POLY(ARYLENE VINYLENE) SYNTHESIS,
AND POLYMERS PRODUCED
THEREWITH

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement accompanies the new patent application submitted herewith.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

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The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 03-2775, under Order No. 09931-00049-US.

Respectfully submitted,

By 
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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				<i>Complete if Known</i> 10/553534 Not Yet Assigned	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Hubert Spreitzer
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	09931-00049-US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-4,539,507	09-03-1985	VanSlyke et al.	
	AB*	US-5,151,629	09-29-1992	VanSlyke	
	AC*	US-5,558,904	09-24-1996	Hsieh et al.	
	AD*	US-5,817,430	10-06-1998	Hsieh	
	AE*	US-2001/0003602	06-14-2001	Fujita	
	AF*	US-2002/0064680	05-30-2002	Spreitzer et al.	
	AG*	US-6,458,909	10-01-2002	Spreitzer et al.	
	AH*	US-2003/0088050	05-08-2003	Spreitzer et al.	
	AI*	US-6,638,646	10-28-2003	Spreitzer et al.	
	AJ*	US-2004/0206939	10-21-2004	Spreitzer et al.	
	AK*	US-2004/0225056	11-11-2004	Spreitzer et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-90/13148	11-01-1990	Cambridge Research and Innovation Limited, et al.		
	BB	EP-0 423 283	04-24-1991	Cambridge Display Technology Ltd.		
	BC	EP-0 443 861	08-28-1991	Sumitomo Chemical Company Limited		
	BD	EP-0 644 217	03-22-1995	Covion Organic Semiconductors GmbH		
	BE	EP-0 705 857	04-10-1996	Aventis Research & Technologies GmbH & Co. KG		
	BF	WO-98/27136	06-25-1998	Hoechst Research & Technology Deutschland GmbH & Co. KG		See US 6,458,909
	BG	WO-99/21936	05-06-1999	Koninklijke Philips Electronics N.V.		
	BH	WO-99/24526	05-20-1999	Aventis Research & Technologies GmbH & Co. KG		See US 2002/0064680, US2003/0088050, and US 6,638,646
	BI	WO-01/34722	05-17-2001	Covion Organic Semiconductors GmbH		See Abstract
	BJ	WO-02/072714	09-19-2002	Covion Organic Semiconductors GmbH		See US 2004/0225056
	BK	WO-02/096970	12-05-2002	Koninklijke Philips Electronics N.V.		
	BL	WO-03/019694	03-06-2003	Covion Organic Semiconductors GmbH		See US 2004/0206939

Examiner Signature		Date Considered	
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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				Filing Date	Concurrently Herewith
				First Named Inventor	Hubert Spreitzer
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number	09931-00049-US

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(iii)) because that application was filed after June 30, 2003 or is available in the IFW. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	CA	Hontis, L., "The Gilch Polymerisation Towards OC ₁ C ₁₀ -PPV: Indications For A Radical Mechanism", Polymer 42 (2001), pp. 5793-5796.		
	CB	Hsieh, B. R. et al., "A New Family of Highly Emissive Soluble Poly(<i>p</i> -phenylene vinylene) Derivatives. A Step Toward Fully Conjugated Blue-Emitting Poly(<i>p</i> -phenylene vinylenes)", J. Am. Chem. Soc. 120 (1998), pp. 231-232.		
	CC	Hsieh, B. R. et al., "General Methodology Toward Soluble Poly(<i>p</i> -phenylenevinylene) Derivatives", Macromolecules 30 (1997), pp. 8094-8095.		
	CD	Yu, Y. et al., "A Modified 1,6-Polymerization Route to Soluble Poly(P-Phenyl Vinylene) Derivatives - Synthesis and Mechanism", Polymer Preprints, Bd. 39, Nr. 1 (1998), pp. 161-162.		
	CE	Taylor, R. M. et al., "Substituted PPV's For Blue Light", Synthetic Metals 102 (1999), pp. 1120-1121.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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